

Cross-modal effects in the construction of perception

Citation for published version (APA):

Kilian-Hütten, N. J. (2012). *Cross-modal effects in the construction of perception*. [Doctoral Thesis, Maastricht University]. Maastricht University. <https://doi.org/10.26481/dis.20120203nk>

Document status and date:

Published: 01/01/2012

DOI:

[10.26481/dis.20120203nk](https://doi.org/10.26481/dis.20120203nk)

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.umlib.nl/taverne-license

Take down policy

If you believe that this document breaches copyright please contact us at:

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

CROSS-MODAL EFFECTS IN THE CONSTRUCTION OF PERCEPTION

1. Constructive perceptual processes take place in relatively early cortical auditory networks.
2. Audiovisual integrative learning processes in higher-order brain networks can install a bias in early auditory regions, influencing future perception.
3. Depressed patients perceive sad expressions longer on changing faces than controls.
4. Music can induce sad mood states in healthy subjects which manifest themselves in an emotion perception bias which mimics that of depressed patients.
5. Musically-induced sad mood links the neural networks underlying distinct cognitive symptoms of depression (emotion perception bias and rumination) in healthy subjects.
6. “Reality is merely an illusion, albeit a very persistent one.” Albert Einstein
7. (Neuro-)Scientific progress generates at least two new questions for each one it answers.
8. Cognitive neuroscience is truly interdisciplinary and calling engineers your friends is very advantageous.
9. The amount of minutes that two scientists play table tennis may be positively correlated with their work efficiency, but is negatively correlated with the dryness of their shirts.
10. Like a bistable stimulus, the meaning of PhD can be subject to distinct interpretations.

Niclas J. Kilian-Hütten

Maastricht, 20.12.2011